PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

PP19482.003	FOR FURTHER ACTION	ION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)				
International application No.	International filing date (day/month/year) Priority date (day/month/year)					
PCT/US03/18666	13 June 2003 (13.06.2003)	13 June 2002 (13.06.2002)				
International Patent Classification (IPC)						
IPC(7): C07H 21/04; C12N 15/74 and US C1: 536/23.5; 435/320.1						
Applicant						
CHIRON CORPORATION						
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 						
2. This REPORT consists of a total of \(\frac{1}{4}\) sheets, including this cover sheet.						
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of a	total of sneets.					
3. This report contains indica	ations relating to the following	items:				
I Basis of the rep	I Basis of the report					
II Priority						
III Non-establishm	nent of report with regard to nov	velty, inventive step and industrial applicability				
IV Lack of unity o	f invention					
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement						
VI Certain docume	VI Certain documents cited					
VII Certain defects	in the international application	ı				
VIII Certain observations on the international application						
Date of submission of the demand	Date	e of completion of this report				
08 December 2003 (08.12.2003)		May 2005 (14.05.2005)				
Name and mailing address of the IPEA/US		horized officer ANNE M. WEHBE' PH				
Mail Stop PCT, Attn: IPBA/ US Commissioner for Patents	Ric	hard Schnizer, Ph. D PHIMARY EXAMINE				
P.O. Box 1450 Alexandria, Virginia 22313-1450		ephone No. 571-272-0500				
Facsimile No. (703) 305-3230 Telephone No. 371-272-0300 Form PCT/IPEA/409 (cover sheet)(July 1998)						

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	-
PCT/US03/18666	

I.	Basi	s of the report
1.	With	regard to the elements of the international application:*
	\boxtimes	the international application as originally filed.
	\bowtie	the description:
		pages 1-29 as originally filed pages NONE , filed with the demand
		pages NONE, filed with the letter of
	\boxtimes	the claims:
	الحسا	pages 30 and 31, as originally filed
		pages NONE, as amended (together with any statement) under Article 19
		pages NONE, filed with the demand pages NONE, filed with the letter of
	X	the drawings.
	الاسكا	pages 1-25 , as originally filed
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
	Ш	the sequence listing part of the description:
		pages NONE, as originally filed pages NONE, filed with the demand
		pages NONE , filed with the letter of
2.	With	n regard to the language, all the elements marked above were available or furnished to this Authority in the uage in which the international application was filed, unless otherwise indicated under this item.
	Thes	se elements were available or furnished to this Authority in the following language which is:
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
		the language of publication of the international application (under Rule 48.3(b)).
		the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).
3.	With inter	n regard to any nucleotide and/or amino acid sequence disclosed in the international application, the mational preliminary examination was carried out on the basis of the sequence listing:
		contained in the international application in printed form.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority in written form.
	Щ	furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4.		The amendments have resulted in the cancellation of
		the description, pages NONE
		the claims, Nos. NONE
		the drawings, sheets/fig NONE
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
thi	is repo	ncement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in fort as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). Treplacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

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III. Noi	II. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
 The question whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been and will not be examined in respect of: 				
	the entire international application, claims Nos. <u>5-29</u>			
	Camis 1405. <u>5-12</u>			
becaus	se:			
	the said international application, or the said claim Nos relate to the following subject matter which does not require international preliminary examination (specify):			
	the description, claims or drawings (indicate particular elements below) or said claims Nos are so unclear that no meaningful opinion could be formed (specify):			
	the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.			
	no international search report has been established for said claims Nos. 5-29			
2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:				
	the written form has not been furnished or does not comply with the standard.			
	the computer readable form has not been furnished or does not comply with the standard.			

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US03/18666

STATEMENT		
Novelty (N)	Claims 4	YE
	Claims 1-3	NC
Inventive Step (IS)	Claims NONE	YE
,	Claims 1-3	
Industrial Applicability (IA)	Claims 4 1-4	YE
	Claims NONE	NC
ogroup of the HERV-K family of endogenous ret esnstream of and operably linked to the polypept	omoter, a sequence encoding a polypeptide (cORF) roviruses, a selectable marker, a replication origin, ide open reading frame. See page 4334, paragrapjh (4) (3), because the prior art does not teach or fairly	and a transcription terminator bridging columns 1 and 2.
NEW CITATIONS		
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